



COUNTY OF KAUAI

Fire Department

2013 Budget Presentation

April 9, 2012

Robert Westerman
Fire Chief

John Blalock
Deputy Fire Chief



Holo Holo 2020
Growing Kaua'i responsibly.



Fire Department

Mission

The mission of the Kauai Fire Department is to protect and preserve life, property, and the environment of Kauai County from fires and all types of life threatening emergencies. To minimize fire losses and responses; to be prepared for emergencies; and to efficiently respond to all emergencies through the reinforcement of prevention and training programs. It is also our mission to provide a comprehensive ocean safety and lifeguard program for the island of Kauai that includes prevention, response, rescue and public education components.

Goals

1. Respond to all calls for service IAW NFPA 1710 90% time
2. Staff all engine companies w/ 4 FF at least 80 % of the time
3. Minimum 2 firefighters attend the National Fire Academy during the year
4. Perform a Community Risk Reduction analysis on Ocean Safety Bureau
5. Complete the BORA data input for the Standards of Coverage document
6. Move Self-Assessment Program to the Applicant Agency Status
7. Develop and implement a department suggestion program
8. Complete the Standard Operating Guidelines
9. Apply for at least two competitive grants
10. Outline of a standardized comprehensive training and promotion from initial recruit to fire chief.
11. Move forward a succession plan for the top management positions within the department

Objectives

1. Doing the right thing
 - a. Know our customer
 - b. Base all decisions on supporting the customer
 - c. Be Fiscal in all decisions
 - d. Be honest in our response
2. Provide Mutual Aid to our neighbors at the Lihue Airport and the Pacific Missile Range Facility
 - a. Respond to all calls for assistance without delays
 - b. Provide for and attend training events with mutual aid partners
3. Become and Accredited Fire Department
 - a. Complete the Standards of Coverage
 - b. Complete the Self Assessment Program
4. Be accident and injury free
 - a. Have fun while being safe and conscience about the job hazards



5. Provide a harassment free workplace so that all members are free to expand their knowledge and feel they are part of the Kaua'i Fire Department Mission
6. Improve Moral of all department members by providing a quality work environment where their input counts



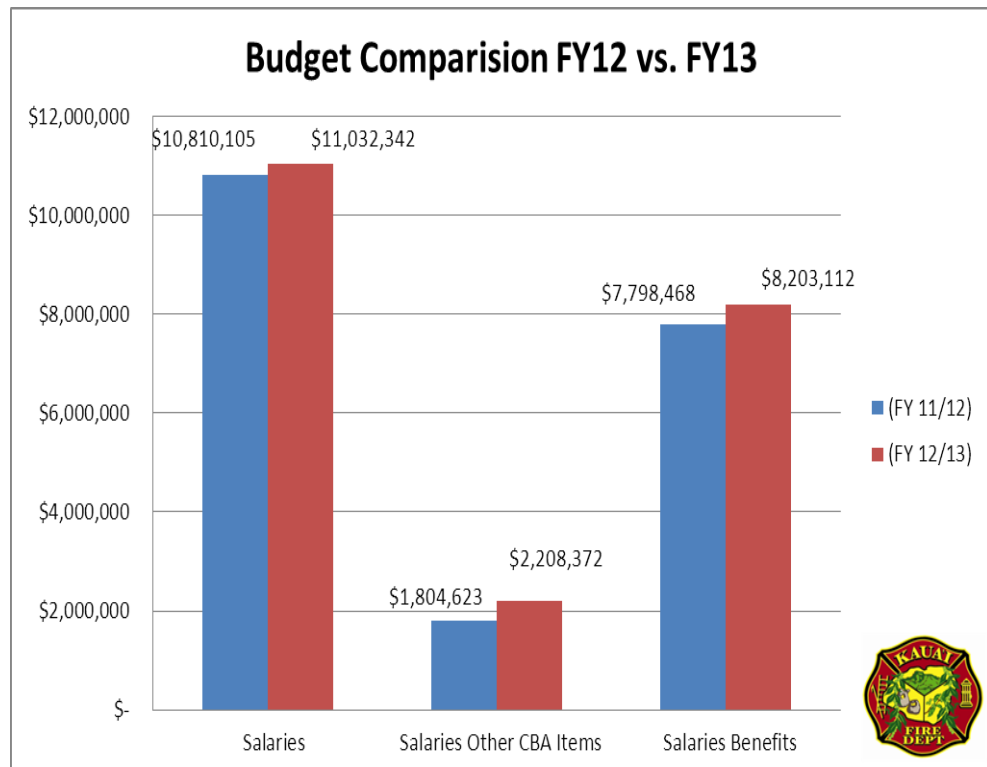
Department Budget Discussion

Deputy Chief John Blalock

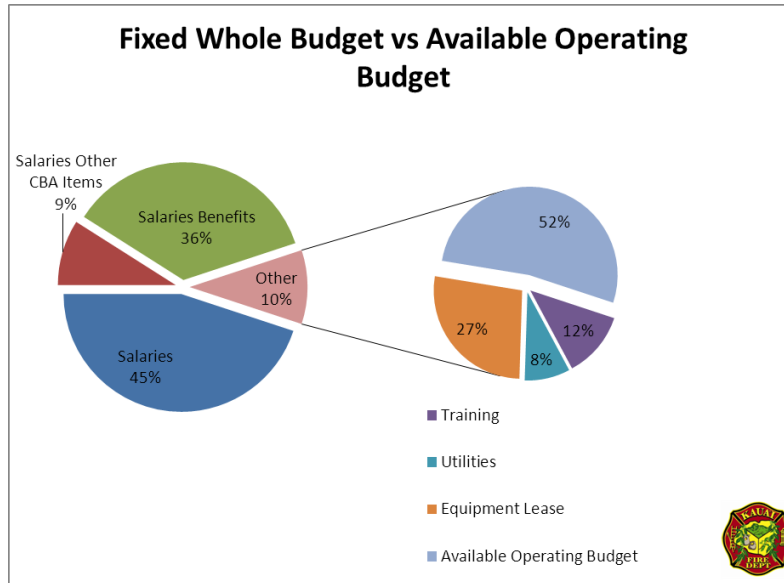
Operating Budget Discussion

The Fire Department Budget shows an overall increase of 8.14%. The increase in the 2013 budget is \$1.8 million of which \$1.6 million are salaries and benefits. Let's break that down, our salaries have inched up 2% (\$222,000) mostly due to the SAFER grant as we move into the 4th year we go from 50% to 70 % responsible for the 15 fire fighters salaries, then to 100% for all salaries In 2014 We have enjoyed the savings of \$1.5 million over the last 3 ½ years.

Our largest dollar increase is our Benefits (SSN, Health Fund, ERS, Work Comp, Unemployment, OPEB) line item is a 13% increase over last year it is a \$1,000,000 dollar increase. The largest percentage increase in salaries is other CBA items (OT, Premiums, Mileage, Equipment Allowances, Annual Physical, Drug Screen, and Vacation Payout) at a 22% increase, or \$404,000. This also included a first time \$50,000 vacation payout to bring into the department more of its expenses. Our Training budget also has a sizable increase. In our Training Bureau we have pushed and pulled training over the last 3 years and now have to pay the piper. The training increase of \$93,000 dollars or 36% over 2012 is to catch-up with all the required certification and mandatory training. Overtime costs were increased over last year's reduction to an increase of \$200,000. Currently we are not able to maintain our staffing levels at minimum 80 percent of the time with the overtime dollars budgeted so we are better prepared this year to try to maintain the minimum levels.



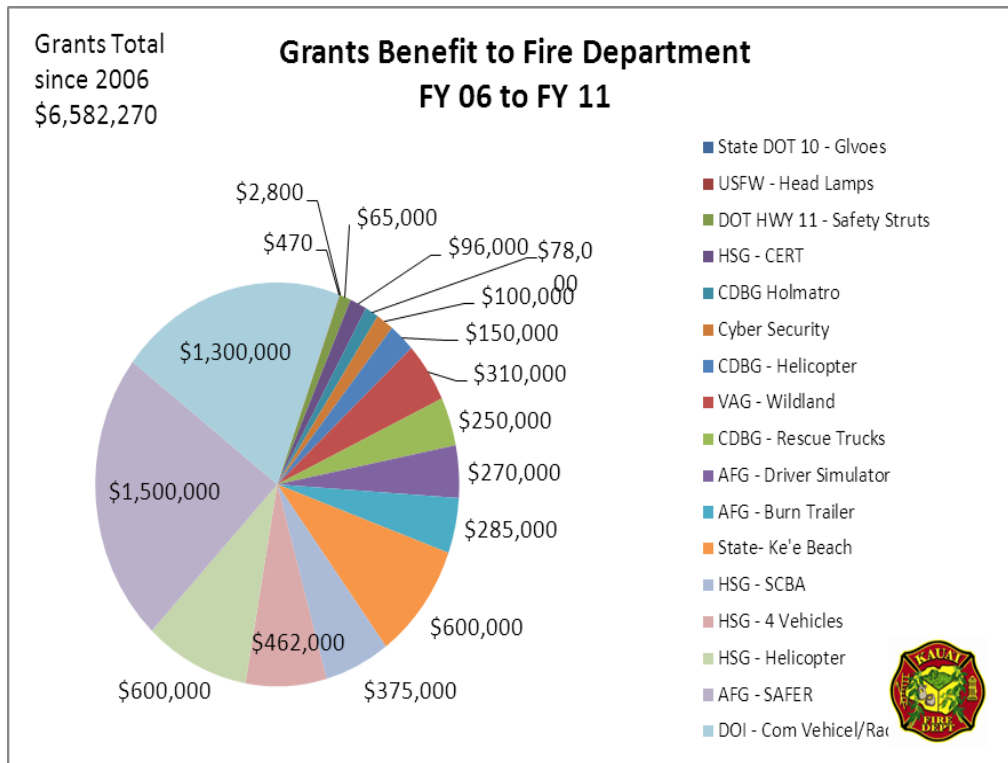
As you can see from the chart our actual operating budget is only 10 percent of our overall



budget that equates to \$2.4 million dollars. Further break that down even more and you see we pay 12% or (\$301,150) of that to training, next we pay 8% (222,155) to utilities, then another 27% (\$674,000) goes to equipment leases, and that leaves 52% or the 10 % or (\$1,306,000) to apply to paying the rest of the bills like gas, oil, toilet paper, daily supplies of oxygen, med supplies, and vehicle parts.

As we have in the past we continue to apply for and receive grant funding from many

sources. We received just over \$1 million dollars in grant funds over the last year and over \$6.58 million in the last five years, money that we did not have to spend in county funds. Some examples of the grant funding received are \$130,000 to purchase a Fire Education trailer, part of our community risk reduction efforts. \$250,000 to fund the Kē'e Beach Life Guards a grant from the State of Hawai'i again community risk reduction efforts. \$96,000 to assist with wild land firefighter equipment and training from Department of Forestry and Wildlife and this year we used \$22,000 for the helicopter for training and equipment. We were the recipients of over \$500,000



in training funded by FEMA and another \$150,000 from the Homeland Security Grant for training with the 93rd CST. Our folks so impressed the CST that they were



invited to travel with them to Maui and Colorado to be part of their evaluation team for military and civilian exercises.

Successes and Achievements

- To better manage our personnel and resources and to minimize multiple inputs and the time associated with those extra actions we are moving to use our RMS (records management system) to its full potential. We have started to use its daily log book function to keep from using separate station log books where we duplicate the entries. We are starting to manage daily staffing and timekeeping to reduce the time needed for our staff to manage timesheets and hopefully integrate into the county payroll system.
- Fire Prevention and line Personnel has improved its grant writing capabilities by taking more classes. Fire Prevention has worked more closely with the Mayors communication team in getting important fire safety information out to the public, such as the Kauai Family Magazine.

Upcoming Initiatives

- We moved into the newly renovated Fire Headquarters in early 2012 which will improved our ability to respond. By adding a backup Emergency Operations Center including an alternative dispatch center that will be used routinely to not only test and monitor its capabilities and use but to allow for cleaning and work on the dispatch center without interruption to the daily operations of the Public Safety Alarm Center (PSAP). The costs for the new furnishings that we were not able to get funded by grants are included in the budget this year.
- Along with this our new Computer Aided Dispatching System (CADS) and our mobile CADS has come on line providing a new level of safety to fire. The new system will allow our firemen to literally see what's coming around the corner and integrate with our county commuter network providing access to our pre-fire plans, pictometry imaging, records management system, and high speed internet connection for command post and communications. This integration with our new communication van, provided through a PSIC (Public Safety Interoperability Communication) grant, will enhance the command and control network to a level never before seen on Kaua'i. This type of network provides the incident commanders and the EOC with a high speed secure link to better manage and control emergencies and disasters. We also will have an increase in our communication budget
- In order to help hold down costs we are requesting a water tender for Honolulu Fire department and they have consented, we also use the US Forestry Service Excess vehicle program to manager our loaner fleet of brush firefighting vehicles.



- We have utilized a student from KCC to do data entry and program design for our RMS and Ocean Safety programs. This program is free for the County and provides hands on work and experience for the students resume.
- As referenced earlier we are working on a realignment and reallocation plan for the ocean safety bureau to better supervise and manage our water safety personnel. As part of the realignment we are proposing in the future an OSB Prevention and Education Officer to assist with public education. Through our Beach Safety Week initiative, Water Safety Supervising Officer Kalani Vierra will be attending the National Conference in Miami and seek Presidential approval for a National Beach Safety week.
- We have no large capital equipment items in our budget. We have some small vehicles and equipment that are in desperate need of replacement. Our engine replacement plan, see below, is still holding up and our truck replacement plan is being funded through federal grants.

Challenges

- ❖ Community risk reduction is our number one priority and firefighter risk reduction is number two on that premise we foresee the following challenges.
- ❖ As you have heard so far and will continue to see in our challenges that staffing is the crux of most of our issues. We requested an additional Clerk over 4 years ago and we continue to request. Without this clerk we continue to let things fall back in priority and work hard to stay out of quadrant 1 or Chaos as Steven Covey would say. We have requested additional senior staff for years and are requesting 2 Assistant Chiefs in order to bring order to the department. Pardon the pun. Without them we will continue to struggle at meeting timelines, accreditation, and acceptable standards of coverage that our citizens deserve.
- ❖ Again without them Accreditation is going to go on hold for now and will be removed from our goals next year, without staff to continue to work the process we can only work on single line items such as our RMS initiative our MDT/CADS initiative to improve our data collection and reporting.
- ❖ Our accreditation standards are not going to be met. We will have to remain below the nation standards which will affect our accreditation program, response times (without fully staffed engines) have a direct impact on our ISO (Insurance Service Office) rating where staffing accounts for 18% and our accreditations with limited overtime budgets staffing can only be managed to level the funds are available.
- ❖ Continued limited budgets are starting to have accumulative effect on our ability to maintain adequate training and certification. When we stopped to retrain critical skills we started to lose important certifications like Rescue Diver and Swift Water Rescue. The problem with training is it is low recurrence and high risk the worst from a liability



stand point. Trying to maintain over 15 certifications per firefighter and even more specialty certifications. Without a large training staff we are obligated to bring in outside instruction or send out our firefighters for some certification at a much larger cost. As you will see in the training budget it has increased over 40% in the last year. For the last three years we have pushed and pulled training in and out of other years to help hold down costs. We have let slide some training evolutions, we can no longer do this without having an effect on firefighter safety.

- ❖ Within our ocean safety public awareness and education campaign we have lost major supporters in the funding our beach safety guides. This is huge in our ability to provide these guides around the island to hotels and kiosks. We continue to work hard trying to gather new supporters but without them our message is not going to get out and this will have an impact on our drowning rates.
- ❖ The Ocean Safety Bureau is not funded to change out our beach safety signs and a majority is either missing or rusting and ready to fall down. The challenge is maintaining and replacing these signs in the most corrosive environments and we are not staffed to do this work and depend on other agencies to budget, prioritize, and replace. Given the recent court decision on signs we cannot afford to let this to continue.
- ❖ The Ocean Safety Bureau is suffering from an over burdened span of control. We are working on realigning and reallocating several positions within the ocean safety bureau to help better manage the bureau from the lowest lifeguard to the top position within the bureau. There are some cost implications to this realignment.
- ❖ The Fire Department relies heavily on Education and Prevention, and we are woefully short in our Public Education Campaign, we simply do not have enough personnel to do all the outreach necessary to continue to further reduce the risks to our business and residents. The Bureau continues to provide service at a breakneck pace, this year they did 2437 activities and inspection, the bureau provided all schools with a wonderful Fire Prevention Week Campaign all on a reduced budget. Some events got only Inspectors and no handouts but they worked hard at trying to memorialize the time. Our plans reviews has started to rise again and so has our fire count. Our fire dollar loss was reduced this year even as we fight more fires in newer and more expensive homes and properties. Last year total property loss was over \$5million dollars a decrease of 25%. Our saving grace this year was a very successful battle at the Up to date Cleaners fire. The high risk high loss potential situated in the middle of a housing complex was extinguished with the use of our new CAFS (Compressed Air Foam Systems). This is new technology recently purchased on our engines to assist in fighting major fires. On this fire everything went almost text book with an outcome of resounding success and the saving of over 10 million dollars in business value. The intense training and preplanning by the crews were essential to a successful outcome.

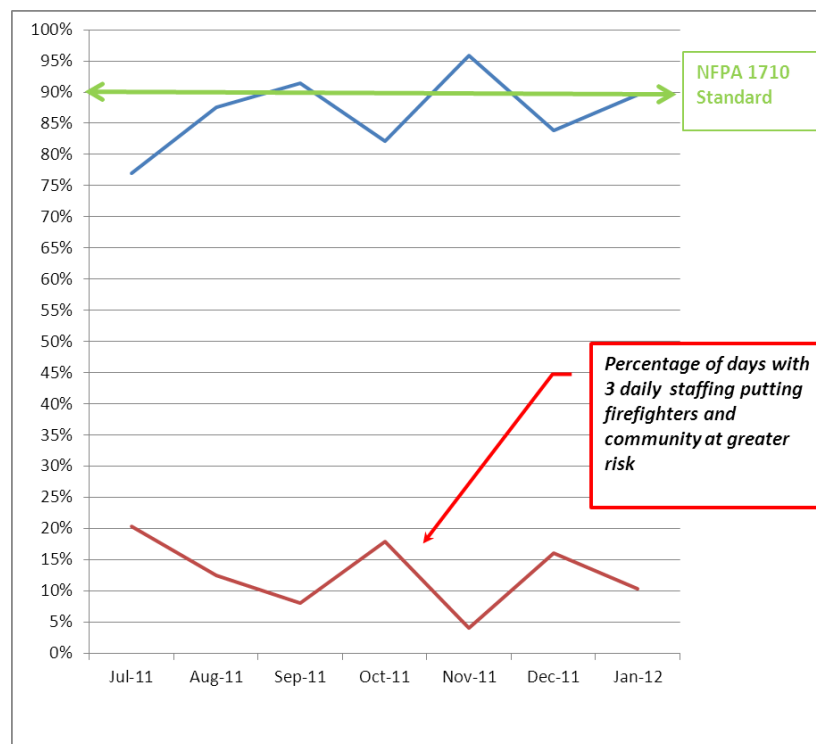
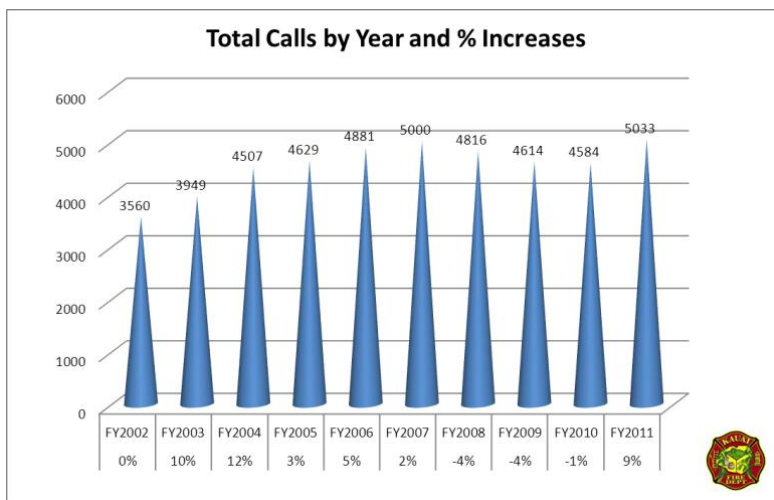


Operations Bureau

Battalion Chiefs Albert Kaui, Shawn Hosaka, Russell Yee

Decreases in revenues and the resulting reduced budgets combined with our already lagging infrastructure continue to widen the gap in our ability to provide adequate services and our continued preparation for the future. We have had a steady increase in our call load as visitors return, population increases and population ages. At the current rate of increase we went over 5000 calls again as predicted last year. The eventual return of

large scale building and large tourism numbers will have its effect as we move forward. We continue to work and adjust our long range strategic plan and our short term goals and objectives to adapt to the dramatic swings in the economy. Our plan is to work as smartly as possible within the budget line items and transfer between funds only as necessary.



In order to run as safely and efficiently as possible we have reduced some of our goals to below the accepted standards. As is the case with our daily staffing we try to maintain a standard of 80% versus the nationally accepted standard of 90% or better. In some stations close proximity helps, with the new Kaiākea Station and SAFER staffing that helps but still without using more overtime and recalling firefighters we are still short of our goals. The NIST (National Institute of Standards and Technology) concluded that for a department to respond and complete the 22 most critical tasks safely and within

reasonable time frame the optimum daily staffing for an Engine Company is 4 firefighters. They concluded that the four-person crews operating on a low-hazard structure fire completed all the tasks on the fire ground (on average) seven minutes faster—nearly 30 %—than the two-person



crews. The four-person crews completed the same number of fire ground tasks (on average) 5.1 minutes faster—nearly 25 % better than the three-person crews. It also concluded that “time to water” on the fire was improved by 6% over the 3 –person crew. With the increased population and more so the increased call load for medical response, rescue response, natural and manmade disaster, and a host of other tasks that the department is asked to do today much less time is spent on training ensuring preparedness. This reduces the safety levels of our firefighters and increases the risk to our community.

Successes and Achievements

- While we are still behind the national averages on staffing levels the department being fully staffed was able to maintain a higher than normal daily staffing average. There is still significant risk to firefighters with a delay response times to fully assemble a firefighting force.
- We were successful in saving two lives this year as a direct result of our increase in AED training and placement. This last year we purchased an additional 26 AD’s so every truck in the department from F1 to OSB at Kē‘ē have an onboard AED. So far in 2012 we have had 2 lives saved accredited directly to the use of an AED.
- The county CADS contract is finally in full swing and with the addition of the ADAM software and the DECCAN software the program will be fully integrated with our RMS allowing for more information to our Captains as they respond to calls for service.
- Again using firefighters in house and diligently applying for grants we have replaced 3 of our trucks. We added capabilities to our helicopter operations, improved our pilots skills and our rescue personnel skills all using grant funds.
- This year the Fire Department responded to over 5033 calls for assistance a 9% increase over the previous year. We had 237 fire calls of which we investigated 16 fires this year with a total value loss estimate of \$5,755,000 in damage and property. The two busiest stations are Kapaa and Lihue. Our new Kaiākea station changed the response percentage between Kapaa and Lihue a little but still leaving Kapaa as the highest call volume. The addition of Kaiākea has had several positive results. First, the ability to relocate and respond to the Hanalei district without leaving the busiest district exposed. With the addition of the eighth station relocation and out of service duties for training allows for more on duty training without increased risk to the community.



Challenges

- ❖ We cannot move forward without the proper staffing at the management level. The Assistant Chiefs of Operations and Administration are needed to keep programs on track like the defunct accreditation program. Many initiatives have been started but lack the follow through without staff to monitor and manage the programs.
- ❖ Having a spare Engine fully equipped and functional for line duty is imperative to the safety of the community. Even with new operational engines a reserve fleet is necessary to ensure 24/7 operations and a training fleet to teach our recruits and update drivers without affecting operations.



Fire Training Bureau

Training Captain Tracy Cummings

Mission

To provide a comprehensive and measurable fire service training program to the members of the Kauai Fire Department, and to research and obtain the latest technologies in support of Kauai Fire Department's goals and objectives in order to provide quality emergency public services to the County of Kauai. Reduce risk to the county through training and education of its firefighters.

Goals

1. To restructure the Kauai Fire Department Training Bureau to better accommodate its members and staff to better meet NFPA standards.
2. To provide a safe training environment for all department personnel.
3. To ensure completion of all mandatory training requirements and certification.
4. To acquire more state and federally sponsored training opportunities for our members.
5. To provide our firefighters with a better opportunity to attend the National Fire Academy.

Successes and Achievements

- Completion of the 16 week training course for the 23rd KFD Recruit Class. This included Fire evolutions, Ocean and Mountain Rescue principles, Extrication, and a team building exercise at the Ropes Course in Waipa.
- The completion of KFD mandatory recertification training sessions which include: 1st responder, Driver Training, USLA, HAZMAT Tech, and HAZMAT Awareness.
- Joint Search and Rescue exercise with U.S. Coast guard, Civil Air Patrol, and Water Safety Officers which consisted of utilizing Radon 1 along with Air 1 to effectively locate missing divers. The exercise reinforced our need for a better working relationship with the other agencies that may become involved and exposed the need for better Communication training considerations for the future.
- 2011 Kauai STX with KPD and 93rd CST Unit. The exercise consisted of KFD's response to a clandestine situation along with KPD's Special Response Team and their Clandestine Team. The exercise improved our joint response to these situations and due to the success of the exercise it became a model scenario throughout the state. Due to the Training Bureau being instrumental in the planning and facilitation of the exercise we were invited to Maui County to be evaluators for their STX.
- Additionally we received over 800 hours of education at no cost to the County of Kauai courtesy of FEMA. We sent over 20 firefighters to the mainland for training such as, Incident Response to Terrorism Bombing (IRTB), Prevention of and Response to Suicide Bombing Incidents (PRSBI), Radiological and Nuclear Response Training (RAD/NUC),



Tactical Emergency Response Training (TERT). This is very valuable training at a significantly reduced costs. The cost of a single course is over \$10,000 per student, with airfare, per diem, hotel, ground transportation, facility cost, and instructor cost and we pay only \$240 for our flight per diem. That's a huge savings for the department. Domestic bombing incidents in schools and illegal meth labs all follow the same basic protocols and these courses allow us the opportunity to respond and practice in as realistic a situation as possible.

Future Initiatives

- To establish and implement a “Driver Safety Program” using MPRI’s latest technologies in Driver simulators.
- To establish and implement a Respiratory Protection program to insure safety among fire personnel.
- To develop an “Initial Fire Attack” program utilizing our Burn Trailer among fire line personnel that is measured and evaluated quarterly.
- To provide resources for further training and education in fire service fields of discipline through federal and state funded grants and opportunities thru FEMA, DOT, State Civil Defense and Homeland Security.
- To develop and maintain a more reliable and functional system of logging and tracking training records of all personnel and staff.
- To establish broader relationships with outside emergency resources such as PMRF, State Crash Fire, KPD, AMR, U. S. Coast Guard, Civil Air Patrol, and Civil Defense.

Challenges

- ❖ With the Training Bureau consisting of only 2 members, facilitating quality training opportunities for 143 members is mediocre. More personnel are needed to conduct, evaluate, and track training progressions of our personnel.
- ❖ Consistency in records keeping needs to be more systematic in order to track them accurately. More clerical support is an essential need
- ❖ The Training Bureau has a 1999 Chevy Blazer and a 1996 Ford F 150 that are in constant need of repair. These vehicles are used to transport equipment and personnel as well as to respond as Safety Officer in a multi company emergency situation.
- ❖ Our two training fire engines are also used as spares for first line response. These two engines, both 1994 Seagrave Pumpers require costly maintenance and upkeep due to their age.
- ❖ With the lack of a Fire Training facility, often schedules have to be made around other county agencies for the use of certain venues. Time lines do not always coincide with learning resources.



- ❖ Completion of the annual physicals with limited funding denied us the opportunity to offer a more comprehensive examination. A more detailed and involved exam is needed due to the fact that we are exposed to many hazardous environments. Lack of certain exams such as pulmonary function has hindered our ability to attend certain specialized training due to noncompliance to OSHA requirements.



Fire Prevention Bureau

Prevention Captain Daryl Date

Mission

To reduce and prevent fires and life-safety hazards that lead to personal injury and property damage.

Goals

1. To promote fire prevention and life safety awareness in the community.
2. To reduce and minimize fire hazard conditions.
3. To enforce the Kauaʻi County Fire Code.

Objectives

1. Raising public awareness through fire safety education that prevents hazardous conditions from occurring, and heightening the public's awareness of fire prevention.
2. Timely inspection of schools, hospitals, care homes and other commercial occupancies to minimize hazardous fire conditions.
3. Review and approval of commercial building construction plans to ensure compliance with the County Fire Code and required fire protection features and systems.
4. To investigate and determine the origin and cause of fires for statistical data and seek the prosecution of person(s) who cause incendiary fires.
5. To maintain inspection and investigation records for the assessment of creating a fire-safe environment for the County of Kauaʻi.

Successes and Achievements

- The adoption of the NFPA 1 Uniform Fire Code 2006 edition with local amendments. This code has taken effect for Kauaʻi County on December 8, 2011.
- Presented the annual Fire Prevention Week Campaign message to over 4000 youth in an interactive and exciting skit. This type of presentation while very time consuming allows for a greater interaction with the youth and helps to start the conversation at home extending the reach of the program.
- The Prevention Bureau got awarded a Fire Safety Grant of \$130,000 from FEMA to purchase a fire safety trailer. This trailer will be an interactive educational tool to teach community members of all ages, fire and personal safety. In keeping with the Mayors Holo Holo 2020 plan we are reaching out and partnering with community to increase outreach, and expend the CERT program.
- Our Fire Inspector II attended an Installation of Sprinkler Systems class put on by the NFPA. The primary duty of the Fire Inspector II is plan review. This class has increased his competency level to perform this duty.



- The newest Inspector in the Bureau has attended and passed the “New Fire/ Arson Investigator Academy” put on by the Public Agency Training Council. This Inspector is now more proficient and self-reliant in investigating structure fires.
- Three Inspectors attended a “Burn To Learn” class on Maui. Actual live burns on a variety of materials created a hands-on perspective to learning. There was also a side-by-side burn comparison of a mock living room with fire sprinklers in one and the other without.

Upcoming Initiatives

- We were awarded another AFG for an education trailer and it will allow us to improve our county wide relationship in educating our Keiki to Kapuna in all hazards approach. We will provide fire education and prevention training, disaster preparedness training for hurricane and tsunami, and neighborhood watch.
- Input data of island wide businesses to populate the Records Management System for the Mobile Data Terminals. To utilize the MDTs to its full potential, vital information that will be available to the responding engine company to any incident must first be inputted.
- Complete business inspections of apartments and condominiums. Inspections for all apartments and condos on the island are almost complete. Facilities on the North shore are all that remain.
- Streamline process of collection of fees by the Bureau. With the adoption of the new fire code, three accounts have been created so that monies collected can now be used for the duties associated to the Prevention Bureau. One account is for fireworks permit and license fees. Another account is for miscellaneous permit fees such as temporary structures, LPG tank installation, and assembly occupancies of over 300. The last account is for plan review fees.
- Incorporated an after action report of line personnel for structure fires. The focus is to enhance the work performance of firefighters at fire scenes, and complete the link between the fire attack operations to the fire investigation aspect of structure fires. The fire investigator of the incident will explain the origin and cause determination. Positive results that aided the investigation from actions taken by firefighters will be discussed, as well as things that could possibly have been done differently.
- Develop a Prevention Bureau website for more streamlined processes for information or permitting. Create FAQ page for different customer bases i.e. Contractors, Permit applicants, etc. Customers can find information on fire regulations they would normally call in for. Customers could also possibly apply for permits and pay on-line. Permits could then be tracked and managed more effectively. Fireworks permit could be plotted on a map to verify locations.
- Need to develop standard guidelines for every activity in prevention bureau so that new inspectors can easily be trained.



Challenges

- ❖ Education, Education, Education is our biggest challenge we must continue to find ways to engage the community so that we can continue to educate them about the hazards.
 - The local business person is so engrossed in just making the sales of the day they sometimes overlook the simplest on items if we can meet with them at least once a year and go over the facility maybe we can avoid a fire or injury.
 - The home owner is busy with their daily lives working and managing a household. If we can engage the youth at school and encourage them to take home the message then maybe we have prevented a fire in the home.
- ❖ Upon the arrival of the fire safety trailer, a multitude of educational sessions will be requested by the community. At least two Inspectors will be needed to manage these trainings. This will take away from the day-to-day duties that must be completed. This creates an opportunity to integrate the community via the CERT and other community based organization.
- ❖ To maintain the continuity of the Prevention Bureau. The creation of the Fire Fighter I, II, and III positions provide lateral movement within the Department. A means to make the 40hr./week Prevention Bureau more appealing to fire personnel must be created as so to prevent the revolving door. With just four personnel in the Bureau and two of them being Firefighter III positions, much strain is put on the Lt. and Captain to constantly train the Inspector Is/Firefighter IIIs to the point that their competency level allows them to be independent. . Pay is not the only driving factor for recruiting and maintaining longevity in the Bureau. Proactive use of technology can create more efficient use of time, and free inspectors from being kept in the office. Mainland and off-island training may be appealing. The opportunity to quickly advance in rank is also attractive. We need to develop a package that is both appealing and efficient and start recruiting suitable personnel.
- ❖ The inputting of data into the RMS system to feed the mobile data terminals is extremely tedious. Information from business inspections that were once and still is on hardcopy must now be inputted into the computer. There are over three thousand businesses on the island. It takes one Inspector approximately 8 hours to input a dozen businesses.
- ❖ To maintain the business inspection rate at a five year cycle as mandated by State law. The Bureau averages about 200 business inspections a year. This rate puts the inspection cycle at 15 years.
- ❖ To have fire extinguisher training sessions be a one person operation. With the current vehicle that is used to transport the fire extinguisher trainer to and from different businesses and community locations, two Inspectors are needed to lift the equipment onto and off of the vehicle. The Bureau averages 45 fire extinguisher training sessions per year. It takes



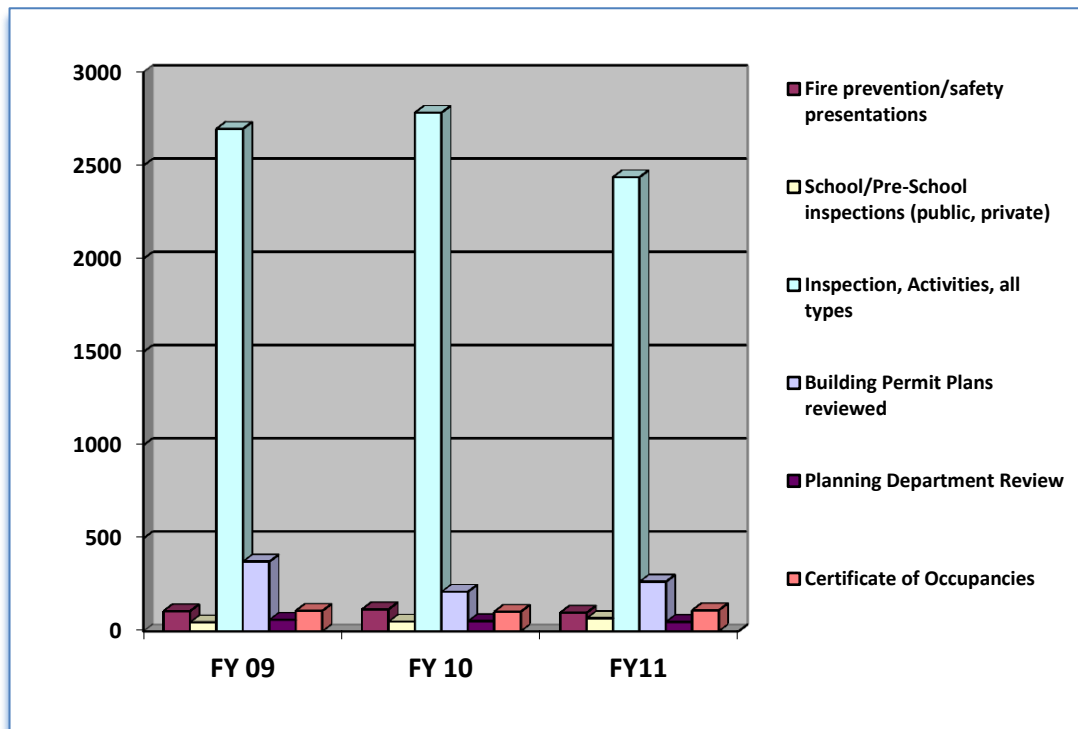
an average of 4 hours to complete a session, which includes loading, cleaning and put back of the equipment. This adds up to 180 man hours spent on fire extinguisher training sessions alone, for 2 personnel, which is half of the Bureau staff. To accomplish this goal, a van with a lift gate is requested.

- ❖ To keep up with the consistent growth of the island's business and residential sectors with limited number of staff. An increase in staff is needed to take on this increase of work load.
- ❖ To utilize vehicles as mobile offices to go directly out into the field instead of first reporting to the office, then out to the field. Bureau issued smart phones could instantly report personal schedules to all Inspectors. Phones can also keep inspectors available for standby duty. Call forwarding from office keeps inspectors available to public inquiry. Mobile tablets can be used to directly input inspections. Mobile printers can produce completed forms to business owners. Inspectors would just need to report to the office to synchronize data back to the database as needed.

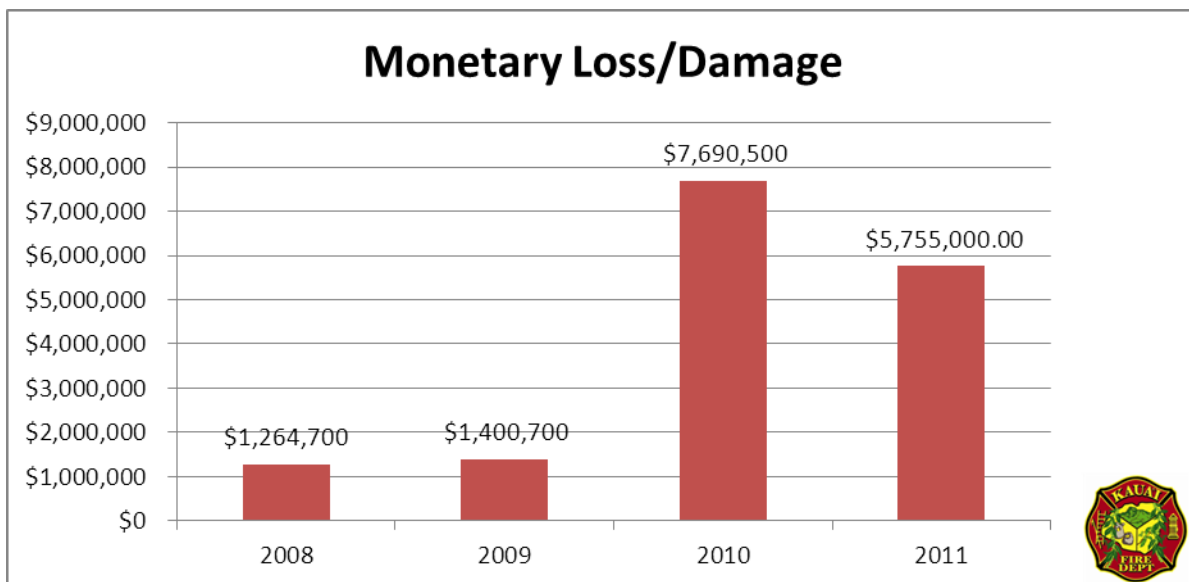


INSPECTIONS/ACTIVITIES – ALL TYPES

2011	YTD
Fire Investigations	16
Additional Dwelling Unit Permit Applications	27
Building Permit Plan Review	214
Planning Department Review	45
Certificate of Occupancy Inspection	78
Business Occupancy Inspection	120
Witness Acceptance Tests	63
Fire Extinguisher Training	23
Fire Safety Presentation	52
Telephone Inquiries	2711
Complaint Investigations	28
Sparky Presentation	23
Fireworks Displays & Inspections	40
Misc. Activities	792



PREVENTION ACTIVITY (Fiscal Years ending June 30)	FY 09	FY 10	FY 11
Fire prevention/safety presentations	108	118	100
School/Pre-School inspections (public, private)	48	52	70
Inspection, Activities, all types	2,696	2,783	2,437
Plans reviewed	374	223	214
Fires Investigated	13	18	16
Monetary Loss/Damage	\$1,400,700	\$7,690,500	\$5,755,000



Ocean Safety Bureau

The mission of the Ocean Safety Bureau of the Kauaʻi Fire Department is to provide a world class professional lifesaving service, educational programs, with protecting the environment and using the highest preventative measures for the Island of Kauaʻi.

Goals and Objectives

1. Plan, administer and manage the Ocean Safety Bureau in an efficient, effective, and responsive manner.
2. Provide ocean safety and a professional lifeguard service at beach areas on the Island of Kauaʻi as determined by risk assessment, demographic analysis, and resource allocation.
3. Develop and maintain an effective up to date training program for the ocean safety bureau.
4. To expand our resources, extend our reach of effectiveness. By increasing personnel, equipment, and reducing response times.
5. Develop and promote ocean safety, drowning prevention, and informational programs for the general public, visitors, schools, and community groups.
6. Provide and develop a special equipment maintenance program for the state of the art rescue equipment

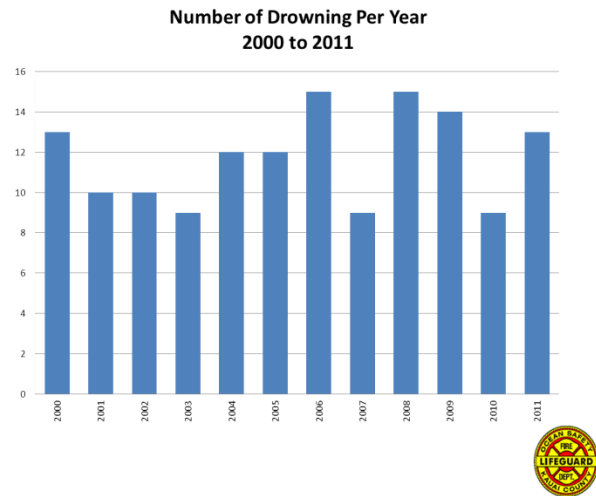
Successes and Achievements



➤ The Ocean Safety Bureau was again successful with our Junior Lifeguard program and won for the “EIGHTH” years in a row. They have worked hard through the year to improve our water safety message and managed to get a video presentation on Hawaiian Airlines inbound mainland flights discussing water safety with our Water Safety Supervisor Kalani Vierra. The OSB is looking at taking a group of kids to 2013 National Challenge on the west coast.

- The Ocean Safety Bureau has worked hard over the last year to be inclusive and improve its interagency relationships. It has provided its Jet Ski training to the Kauaʻi Fire Department, PMRF Fire Department, Department of Boating and Recreations, Department of Land and Natural Resources. The program is so well respected within the pacific region we were asked to go to Guam and assist with the development of a Jet Ski program and provide training for their ocean safety resource crews. Our own Jet Ski Program along with the premium pay program has been extremely successful and is the example for the state and is currently being adopted by other county departments.

- The last years drowning rates are down from a record high 15 in 2008, 14 in 2009, 9 in 2010 and 13 in 2011. We must attribute some of this to the relationships we have continued to foster in the community with the Jr. Lifeguard Program. Water Safety Task Force, Kaua'i and Hawaiian Lifeguard Association, Kaua'i Explorer Daily report, the WAVE Project, the Rotary rescue Tube Project and the Beach Guardian program. Without community support we could not make these great reductions.



- In 2010 the OSB had a total of 1,683,925 beach attendance, 328 ocean rescues, 78,569 preventative actions, 3,200 1st Aids. In 2011, a total of 1,387,252 beach attendance, 378 rescues, 55,060 preventive actions, and a total of 3,416 1st Aids were conducted. As you can see our beach attendance went down but our rescues went up.
- Beach Safety Week is an ongoing celebrated event every May of each year, promoting beach safety in schools, businesses, and including public safety announcements. OSB celebrated this important USLA event with the nation. The near future plan is to ask the President to declare beach safety week.
- The Ocean Safety Bureau Supervising Officer has been reallocated from WSSO to WSO-V
- Three new rescue jet skis and four new ATV's are being utilized at different beaches around Kaua'i. The Kaua'i Lifeguard Association has put on a huge fundraising campaign called the 1st Wave, to raise funds for these state of the art equipment.
- The Standard Operating Policies and Procedures are being updated. The operation can flow much smoother and with accountability.
- The Hanalei and Po'ipū storage/substation computer and printer capabilities. This will eliminate a lot of drive time to and from office with official paper work.
- The OSB started a monthly new article to provide information on our successes and present ocean safety information.

Upcoming Initiatives



- As discussed earlier OSB is working on a realignment and reallocation plan for the ocean safety bureau to better supervise and manage our water safety personnel. As part of the realignment we are proposing in the future an OSB Prevention and Education Officer to assist with public education. The Prevention/Education Officer will also assist the OSB is creating a Keiki Jr Lifeguard Program for kids 8–12 years old. OSB will follow the guidelines of the successful Jr Lifeguard program. The first trial starting date will be in June 2012.
- As part of the Fire Department Helicopter operations we will be adding training and familiarization with our OSB personnel to assist in ocean rescue operations.
- The Jet Ski program is the most effective part of the OSB operations, numerous lives have been saved. A pilot roving Jet Ski program is in the initial stages. The hopes are this program will improve our water rescue response times.
- The Kauaʻi Lifeguard Association and the Ocean Safety Bureau are collaborating with the Kapaʻa Rotary Club to return the ocean safety video at the airport baggage claim areas.

Challenges

- ❖ Storage/Sub-Station facility for our East District is an ongoing problem, to protect some of our vital rescue equipment from the weather and salty environment. It would also serve as a work station for our East district supervisor. OSB is currently storing the trucks and ATV's at the Kapaʻa Fire Station in the open weather after hours, creating possible vandalism, theft, and corrosion potentials.
- ❖ The long term injuries have been having an effect on manpower coverage. Overtime has gone up and the ON CALL lifeguard positions have been working on 40 hr 89 day contracts.
- ❖ Within our ocean safety public awareness and education campaign we have lost major supporters in the funding our beach safety guides. This is huge in our ability to provide these beach guides around the island to hotels and businesses. We are working hard trying to gather new supporters but without them our message is not going to get out and this will have an impact on our drowning rates.



- ❖ The Ocean Safety Bureau is not funded to change out our beach safety signs and a majority is either missing or rusting and ready to fall down. The challenge is maintaining and replacing these signs in the most corrosive environments. We are not staffed to do this work and depend on other agencies to budget, prioritize, and replace. Given the recent court decision on signs we cannot afford to let this continue.
- ❖ Periodic equipment maintenance and repairs scheduling have some conflicts due to the availability of the Fire mechanic or the Transportation mechanics. Special equipment has to be sent outside of the County jurisdiction to be repaired, like the water crafts, or trucks with patch and paint requirements.
- ❖ We have two small vehicles and equipment that is in desperate need of replacement. The Hā'ena tower and Kekaha tower truck is in need of replacements due to the corrosive frame and chassis. These vehicles are vital to the operations because of the towing and 4X4 capacities.
- ❖ The OSB is requesting an increase of 2 ON **CALL** lifeguard positions to assist with coverage, due to long term personal injuries, industrial injuries, vacation request, and sick leave.
- ❖ A re-allocation within the OSB operations could take place for the Prevention/Education Officer

Vehicle/Equipment Replacement Plan

			PUR	EXP LIFE	
Haena	2002 Ford Ranger	\$30,000	2001	2012	IN SERVICE
Kekaha	2002 Ford Ranger	\$30,000	2001	2012	IN SERVICE
Poipu	2000 Dodge Dakota	\$35,000	2000	2010	Out of service
Hanalei	2000 dodge Dakota	\$35,000	2000	2010	In Service/limited



STAFFING INFORMATION REQUEST

The following information is provided to you per your request of February 10, 2012

1. A list of all new positions or changes to any existing positions, indicating contractual, civil service, exempt, or appointed and the respective salary.

NONE

2. A list of current or anticipated vacant civil service and contractual, exempt or appointed position(s), duration of vacancy, and expected date for filling these positions(s).

Fire Fighter III, position 774, vacant from 12/31/11, to be filled on 07/01/12

Fire Fighter III position 711, vacant from 11/01/11, to be filled on 07/01/12

Water Safety Officer II, position 2532, vacant from 02/10/12, to be filled on 05/01/12

Water Safety Officer II, position 739, vacant from 02/10/12, to be filled on 05/01/12

Senior Clerk, position 702, \$1 funded, vacant from 07/01/09

3. A list of contractual positions funded by State or Federal grants, and the contract period.

Water Safety Officer II, position 2532

Water Safety Officer I, positions 2531, 2533, 2534

Hā'ena Beach Park (State grant), ends June 30, 2012, unless funded by State Legislature.



Vehicle Replacement Plan

			PUR	EXP LIFE	
SE6	1994 SEAGRAVE SN78662, PUMPER	\$250,000	1994	2009	RESERVE ENGINE
SE7	1994 SEAGRAVE SN78680, PUMPER	\$250,000	1994	2009	RESERVE ENGINE
T1	2004 FORD F350, CREW CHASSIS CAB DRW 4X4, W37	\$46,800	2004	2012	IN SERVICE
T5	2004 FORD F350, CREW CHASSIS CAB DRW 4X4, W376	\$47,084	2004	2014	IN SERVICE extend life 2014
T2	2008 FORD F350, CREW CHASSIS CAB DRW 4X4, W372	\$56,598	2008	2016	IN SERVICE
T7	2008 FORD F350, CREW CHASSIS CAB DRW 4X4, W372	\$56,598	2008	2016	IN SERVICE
E2	2002 PIERCE QUANTUM PUMPER	\$398,310	2002	2017	IN SERVICE
E3	2002 PIERCE QUANTUM PUMPER	\$398,310	2002	2017	IN SERVICE
T6	2009 FORD F550, CREW CHAS CAB 4X4, W577	\$59,910	2009	2017	IN SERVICE
T8	2010, FORD, F550 PICKUP	\$56,000	2010	2018	IN SERVICE
CommVan	2010 FORD E350, 4X4 Econovan CommPkg	\$250,000	2010	2018	IN SERVICE
E1	2005 INTERNATIONAL 4400 sba 4x2	\$253,719	2005	2020	IN SERVICE
HZMT8	2006 PIERCE HAZ-MAT COMMAND VEHICLE	\$428,185	2006	2021	IN SERVICE
T1	2012 FORD F550, 4X4 CHASSIS CREW CAB	\$69,750	2012	2020	Replacement for T1
R3	2012 FORD F550, 4X4 CHASSIS CREW CAB	\$69,750	2012	2020	Replacement for R3
T4	2012 FORD F550, 4X4 CHASSIS CREW CAB	\$69,750	2012	2020	Replacement for HUM VEE
ST1	2012 FORD F550, 4X4 CHASSIS CREW CAB	\$69,750	2012	2020	Spare



E4	2007 PIERCE DASH PUMPER	\$488,639	2007	2022	IN SERVICE
E7	2007 PIERCE DASH PUMPER	\$485,174	2007	2022	IN SERVICE
E5	2008 PIERCE PUMPER, VELOCITY SERIES	\$544,127	2008	2023	IN SERVICE
E6	2009 PEIRCE PUMPER VELOCITY SERIES	\$650,000	2009	2024	IN SERVICE
E8	2010 PIERCE PUMPER VELOCITY SERIES	\$780,000	2010	2025	IN SERVICE
HR3	2010 INTERNATIONAL 4400 SBA 4X2	\$580,000	2010	2025	IN SERVICE
BT4	1991 FORD FIRE MINI- PUMPER	\$43,329	1991	1999	IN SERVICE LOANER

